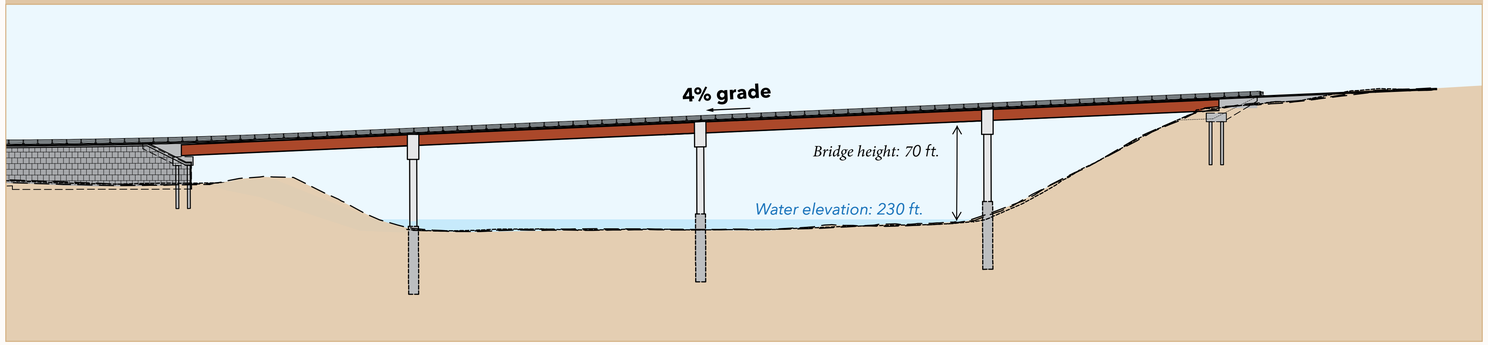
BASALT CREEK PARKWAY EXTENSION

BRIDGE ALTERNATIVES

4-Span Continuous Steel Plate Girders



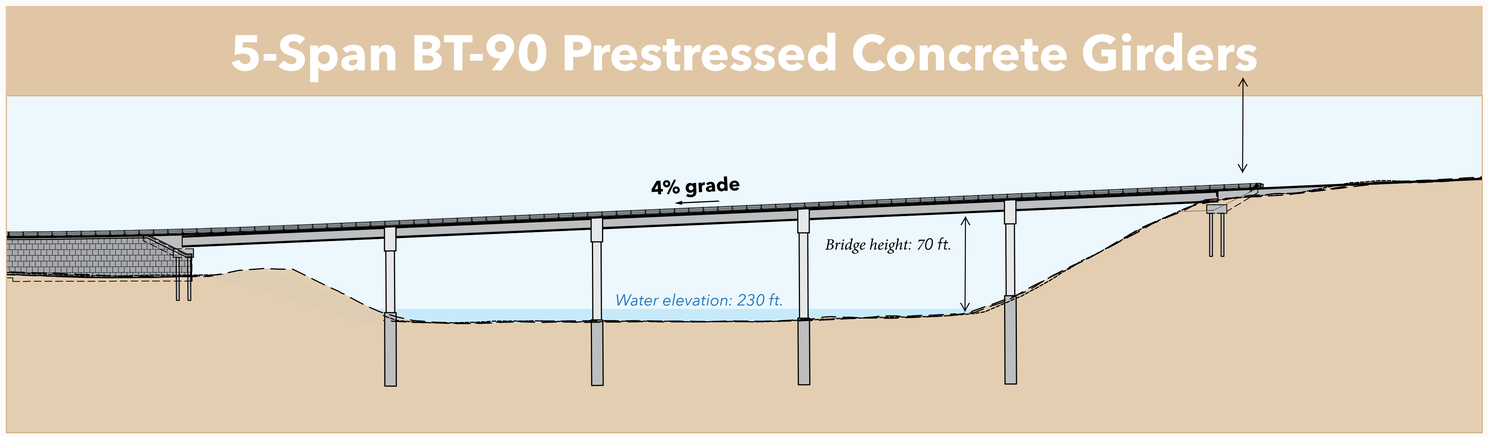
PREFERRED ALTERNATIVE

Description: Welded steel I-girders with a concrete deck riding surface and a three-tube steel railing.

Cost: $19.7 million to $28.4 million

Justification: Equal or lowest construction cost. Minimal long-term maintenance. Most efficiently meets seismic design criteria. Smallest foundations result in least environmental impacts.

5-Span BT-90 Prestressed Concrete Girders

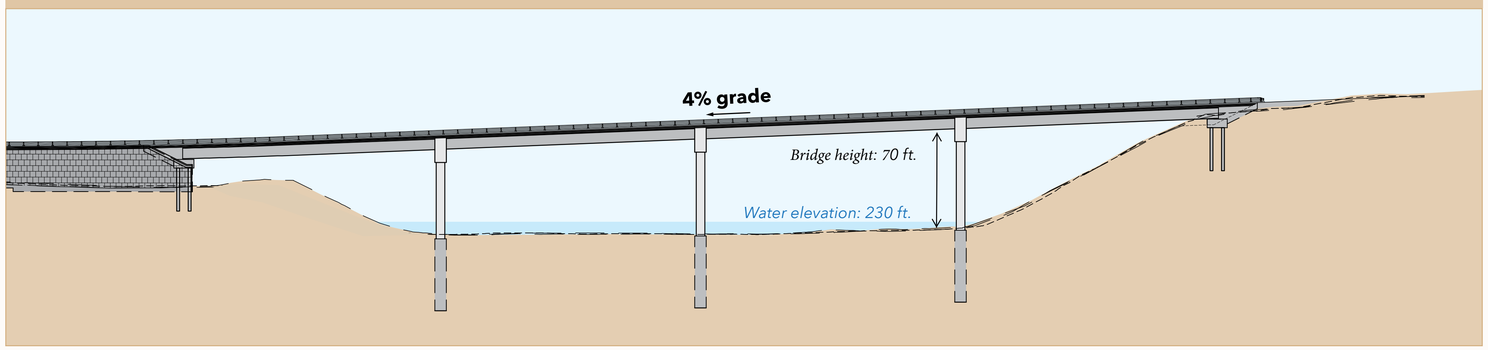


Description: Precast concrete T-girders with a concrete deck riding surface and a three-tube steel railing.

Cost: $20.5 million to $29.5 million

Not Preferred Because: Highest construction cost. Most permanent environmental impacts.

4-Span BT-96 Prestressed Concrete Girders



Description: Precast concrete T-girders with a concrete deck riding surface and a three-tube steel railing.

Cost: $19.8 million to $28.6 million

Not Preferred Because: Spans require a girder size not previously used in Oregon. Heavier weight requires larger foundations. Larger foundations result in more environmental impacts than the steel alternative.